

**REMARKS**

Claims 1-21 are pending in the application. Claims 1, 2, and 10-13 are allowed. Claims 3-9 and 14-21 are objected to, such objections are addressed herein.

Claims 3-9 and 14-21 are objected to because, according to the Examiner, appropriate correction is required of the following informalities.

Claims 3 and 4 are objected to because, according to the Examiner, the phrase "said precision sine wave" lacks antecedent basis. Applicants respectfully traverse this objection. Applicants would like to draw Examiner's attention to claim 1, line 14 including the antecedent: "a precision sine wave." Claims 3 and 4 are dependent on claim 1 and therefore occurrences of "said precision sine wave" refer to the aforementioned antecedent in claim 1.

Claim 8 is objected to because, according to the Examiner, the phrase "said first digital word signal" lacks antecedent basis. Claim 8 is therefore amended to include said "first dual bridge sensor signal" in place of said "first digital word signal" in accordance with paragraph [0053] of the detailed description. This amendment clarifies Applicants' original intent for claim 8. No new matter has been added.

Claim 14 is objected to because, according to the Examiner, "said first flexure plate dual bridge sensor signal;" "said second flexure plate dual bridge sensor signal;" "said third flexure plate dual bridge sensor signal;" "said fourth flexure plate dual bridge sensor signal" all lack antecedent basis. Applicants therefore remove "signal" from each of these phrases to clarify Applicants original intent. Proper antecedent basis is therefore provided for the amended phrases within claim 14.

Claim 14 is further objected to because, according to the Examiner, the phrase "a platform control signal" is vague and clarification is requested. Applicants therefore amend the term to recite: "said platform control signal," thereby referencing the previous mention of "a platform control signal" in line 59.

Claim 14 is still further objected to because, according to the Examiner, "said first dual bridge sensor signal;" "said second dual bridge sensor signal;" "said third dual bridge sensor signal;" and "said fourth dual bridge sensor signal" all lack antecedent basis. Therefore Applicants amend claim 14 by removing "dual bridge sensor signal" from each of these terms and replacing it with "digital word signal." The terms now refer back to lines 61-63 including "a first digital word signal," "a second digital word signal," a third digital word signal," and "a fourth digital word signal" in accordance with Applicants original intent. No new matter has been added.

Claim 18 is objected to because the phrase "said first dual bridge sensor signal" lacks antecedent basis. Applicants therefore amend claim 18 to include "said first digital word signal" to accord with Applicants original intent by referring to said first digital word signal in claim 14. No new matter has been added.

Claim 19 is objected to because, according to the Examiner, the phrase "receiving signals" is vague. Applicants therefore amend claim to recite "receiving digital word signals" to clarify that the signals received are the converted digital word signals mentioned in claim 14. This amendment is included to clarify the original intent of the claim and not to change the substance thereof. No new matter has been added.

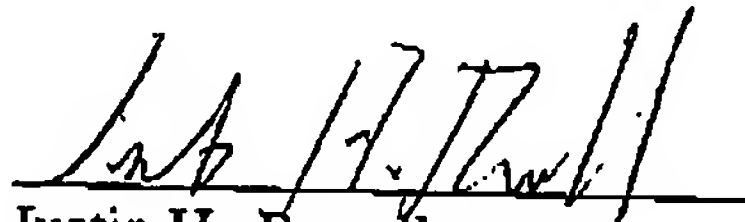
Claim 19 is further objected to because, according to the Examiner, the phrase "said set of dual sigma converters" lacks antecedent basis. Applicants therefore amend the claim to recite "said set of synchronized sigma delta converters," thereby clarifying that the converters are the same converters as recited in claim 1.

Important to note is that the changes discussed above are merely included for clarification purposes and not to change the substance of any of the claims.

Applicants believe the application is in condition for allowance and expedient notice thereof is earnestly solicited. Should the Examiner have any further questions, he is requested to contact the undersigned.

Please charge any fees required in the filing of this amendment to deposit account 50-0476.

Respectfully submitted,



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